HP 41 System Demo

tape Content:

Autostart	NAME	TYPE	REGS
	-> AUTOST	WA,S,A	336
Master	GPIO	PR.S.A	148
Master program.	INI	PR,S,A	181
program	DISP	PR,S,A	180
	KEYS	PR.S.A	175
	HPILPR	PR,S,A	179
	PRDTA	DA,S	31
	PLOT	PR.S	16
	TIMER	PR,S,A	89
	CHRONO	PR.S	129
	ALARM	PR.S.A	96
	XFUNC	PR,S	91
	SN	PR.S.A	125
	CASSET	PR,S,A	79
	VIDEO	PR,S,A	171
	DMM	PR,S,A	78
	BCDEPR	PR.S.A	69
	PRHT80	PR.S.A	71
	PLTR	PR.S	116
	GPIOX	PR.S.A	175

HP-41 SYSTEM DEMO

IF TIME AND DATE ARE PROPERLY SET, ANSWER N TO THE NEXT QUESTION, THEN PRESS R/S.

INITL? Y/N
N RUN

PRESS THE TOP ROW OF KEYS TO SELECT DESIRED DENO.

THE ABBREVIATIONS IN THE HP-41 DISPLAY REFER TO INDIVUALLY SELECTABLE DEMOS THAT MAY BE ACTIVATED BY PRESSING THE KEY BELOW IT.

I S P P

AUTOST (Type WA): Whole calcultor loading (2) 336 Regs. Page 1/2 with autostart system Dame.

		1104151 01
	60 "TM SW A XF 1"	119+LBL 01
01+LBL "NEWM" 02 "DO NOT RUIN DEM"	61 SF 11	120 SF 25
02 "DO NOT RUIN DEM"	62 PROMPT	121 TIME
03 "HO TAPE."	63 GTO 20	122 FS?C 25
04 XEQ "O"		123 GTO 00
05 ADV	64+LBL A	124 "NO TIME MODULE"
06 ADV	65 "TIMER"	125 XEQ 09
07 ADY	66 GTO 01	126+LBL 02
08 ADV	67+LBL B	127 SF 25
	68 "CHRONO"	128 ANUM
09 ADV	69 GTO 01	1
10+LBL "START"	70+L8L C	129 FS?C 25
11 "INI"	71 "ALARM"	130 GTO 00
12 SF 25	72 GTO 01	131 -NO XFUN MOD-
13 XEQ "INI"	73+LBL D	132 XEQ 09
14 FC? 25	74 "XFUNC"	133+LBL 03
15 READP		134 SF 25
16 FC?C 25	75 GTO 92	135 CLX
17 XEQ "INI"	76+LBL 30	136 XROM 17,22
18+LBL "RECOVER"	77 38	137 FS?C 25
19 SF 27	78 STO 40	138 GTO 00
20 CF 12	79 " C V DM BP †"	139 "NO PLOT MOD"
	80 SF 11	
21 AUTOIO	81 PROMPT	140+LBL 09
22 CF 25	82 GTO 30	141 CF 21
23+LBL 10	83+LBL A	142 AVIEW
24 10	84 "CASSET"	143 BEEP
25 ST0 4 8	85 GTO 00	144 PSE
26 * D K PR PL †*		145 GTO 20
27 SF 11	86+LBL B	146+LBL 00
28 PROMPT	87 "YIDEO"	147 CF 21
29 GTO 10	88 GTO 02	148 ASTO L
30 GTO 10	89+LBL C	149 "LOADING "
31+LBL A	90 -DMM-	150 ARCL L
32 *DISP*	91 GTO 00	
32 B137 33 GTO 00	92+LBL D	151 AVIEN
	93 "BCDEPR"	152 CLA
34+LBL B	94 GTO 00	153 ARCL L
35 -KEYS"	95+LBL 49	154 READP
36 GTO 00	96 40	155 CLD
37+LBL C	97 STO 40	156 SF 21
38 "HPILPR"		157 ADY
39 GTO .00	98 *P8 GP PM ? †*	158 ADY
40+LBL D	99 SF 11	159 CLA
41 "PLOT"	100 PROMPT	160 ARCL L
42 GTO 00	101 GTO 40	161 "H DEMO: "
43+LBL "EE"	102+LBL A	162 XEQ *012*
44 RCL 40	103 "PRNT80"	
45 18	104 GTO 02	163 ADV
	185+LBL B	164 XEQ IND L
46 +	106 "GPIO"	165+LBL "RTN"
47 SF 25	107 GTO 90	166 "END DEMO"
48 GTO IND X	198+LBL C	167 CF 21
49 GTO 10		168 AVIEW
50+LBL "ee"	109 "PLTR"	169 SF 21
51 RCL 40	110 GTO 03	170 GTO IND 40
52 10	111+LBL D	\ 171 END
53 X=Y?	112 SF 21	> 141 END
54 GTO 10	113 "MORE INNOVATION"	
55 -	114 AYIEW	
	115 *FROM H.P.*	
56 GTO IND X	116 AVIEW	
57+LBL 20	117 CF 21	
58 20	118 GTO "EE"	
59 STO 40	IIO BIO EE	

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01+LBL "012"
 82 SF 12
 03+LBL "OUT"
 04+LBL "0"
 05 SF 21
 06 FS? 55
 07 PRA
 08 CF 12
 09 FS? 55
 10 RTN
 11 CF 21
12 AVIEW
13 PSE
14 RTN
15+LBL "Y/N?"
16 CF 05
17 "F? Y/N"
18 AON
19 PROMPT
20 AOFF
21 ASTO Y
22 •Y•
23 ASTO X
24 X=Y?
25 SF 05
26 RTN
27+LBL - IN-
28 CF 22
29 ASTO Y
30 ASHF
31 ASTO Z
32 CLA
33 ARCL Y
34 ARCL Z
35 "F=?"
36 PROMPT
37 FC? 22
38 RTN
39 FC? 55
40 RTH
41 SF 21
42 CLA
43 ARCL Z
44 ARCL T
45 "- = "
46 ARCL X
47 PRA
```

48 RTN 49 END

6 P i O 148 Regs. Pase 1/1

01+LBL "GPIO" 02 "THE HP82165A AN" 03 "FD" 04 XEQ "OUT" 05 "THE HP82166A GP" 96 "FIO" 07 XEO "OUT" 08 "INTERFACES BRIN" 09 "HG HPIL" 10 XEQ "OUT" 11 "TO THE WORLD OF" 12 "F:" 13 XEQ "OUT" 14 ADV 15 *-DATA COLLECTIO* 16 "FN" 17 XEQ "OUT" 18 "-DEVICE CONTROL" 19 XEQ "OUT" 20 "-HONE COMPUTERS" 21 XEQ "OUT" 22 "-OEM APPLICATIO" 23 "FNS" 24 XEQ *OUT* 25 "*********** 26 "-******* 27 XEQ "0UT" 28 ADV 29 "BOTH INTERFACES" 30 XEQ -OUT-31 "INCORPORATE A 3" 32 "H2 BYTE" 33 XEQ *OUT* 34 "FIFO BUFFER FOR" 35 XEQ "OUT" 36 "INCREASED THROU" 37 "FGHPUT." 38 XEQ *OUT* 39 ADV 40 "APPLICATIONS:" 41 XEQ "OUT" 42 ADV 43 "-THE 82165A CAN" 44 "F CONNECT" 45 XEQ *OUT* 46 "TO MANY PERSONA" 47 "HL" 48 XEQ "OUT"

49 "COMPUTERS, AND "

51 XEQ "OUT" 52 "MAINFRAME COMPU" 53 "HTERS" 54 XEQ "OUT" 55 "OVER THEIR PARA" 56 "HLLEL" 57 XEQ "OUT" 58 "INTERFACE PORT " 59 "FTHUS" 60 XEQ "OUT" 61 "GIVING YOUR MAC" 62 "HHINE" 63 XEQ "OUT" 64 "HPIL COMPATIBIL" 65 "FITY." 66 XEQ "OUT" 67 - ALSO, IT CAN-68 "H BE" 69 XEQ *OUT* 70 "CONNECTED TO MO" 71 "FST" 72 XEQ "OUT" 73 *PRINTERS AVAILA* 74 "HBLE" 75 XEQ "OUT" 76 "ALLOWING YOUR S" 77 "HTANDARD" 78 XEQ "OUT" 79 "SIZED PRINTER T" 80 "HHAT YOU" 81 XEQ "OUT" 82 "MAY ALREADY OWN" 83 "F TO BO" 84 XEQ "OUT" 85 "YOUR PRINTING." 86 XEQ -OUT-87 ADV 88 *-THE 82166R IS * 89 "HMEANT FOR" 90 XEQ "OUT" 91 "OEM CUSTOMERS W" 92 "HHO WISH" 93 XEQ -OUT-94 "TO BESIGN HPIL" 95 XEQ "OUT" 96 "CAPABILITIES IN" 97 "HTO THEIR " 98 XEQ "OUT" 99 *PRODUCTS WITH H* 100 "FINIMAL" 101 XEQ -OUT-102 "DEVELOPEMENT CO" 103 "FSTS AND" 194 XEQ "OUT" 105 "HP SUPPORT." 196 XEQ "OUT" 107 ADV 108 ADV 109 ADV 110 ADV 111 "END DEMO" 112 XEQ "OUT" 113 XEQ "RTN"

114 .END.

50 "HLARGER"

Program Run:

THE HP82165A AND THE HP82166A GPIO INTERFACES BRING HPIL TO THE WORLD OF:

-DATA COLLECTION
-DEVICE CONTROL
-HONE COMPUTERS
-OEM APPLICATIONS

BOTH INTERFACES INCORPORATE A 32 BYTE FIFO BUFFER FOR INCREASED THROUGHPUT.

APPLICATIONS:

-THE 82165A CAN CONNECT TO MANY PERSONAL COMPUTERS, AND LARGER MAINFRAME COMPUTERS OVER THEIR PARALLEL INTERFACE PORT THUS GIVING YOUR MACHINE HPIL COMPATIBILITY.

ALSO, IT CAN BE CONNECTED TO MOST PRINTERS AVAILABLE ALLOWING YOUR STANDARD

SIZED PRINTER THAT YOU

MAY ALREADY OWN TO DO

YOUR PRINTING.

-THE 82166A IS MEANT FOR OEM CUSTOMERS WHO WISH TO DESIGN HPIL CAPABILITIES INTO THEIR PRODUCTS WITH MINIMAL DEVELOPEMENT COSTS AND HP SUPPORT.

END DEMO

I	Ni
181	Regs
Page	1/2

01+LBL "INI" 82 2 **03 SELECT** 04 "SEE PRINTER" 05 CF 21 06 FS? 55 07 AVIEW 08 FS? 55 09 SF 21 18 " HP-41" 11 XEQ "012" 12 "SYSTEM DEMO" 13 XEQ "012" 14 ADV 15 TIME 16 FC? 25 17 GTO 01 18 "IF TIME AND DAT" 19 "HE ARE" 20 XEQ "OUT" 21 "PROPERLY SET, A" 22 "HNSHER" 23 XEQ "OUT" 24 "N TO THE NEXT Q" 25 "FUESTION," 26 XEQ "OUT" 27 "THEN PRESS R/S." 28 XEQ "OUT" 29 ADV 30 ADV 31 ADV 32 ADV 33 ADV 34 "INITL" 35 XEQ "Y/N?" 36 FC? **0**5 37 GTO 01 38 CF 28 39 'USA DSP' 48 XEQ "Y/N?" 41 FS? 05 42 SF 28 43 SF 25 44 TIME

45 FC?C 25

46 RTN

47 FIX A 48 CF 29 49 "SET TIME" 50 CF 21 51 AVIEW 52 BEEP 53 PSE 54 *HR* 55 XEQ "IN" 56 STO 01 57 "MIN" 58 XEQ "IN" 59 1 E2 69 / 61 RCL 01 62 + 63 STO 01 64 "PM" 65 XEQ "Y/N?" 66 RCL 01 67 FS? 05 68 CHS 69 SF 25 70 SETIME 71 "SET DATE" 72 CF 21 73 AYIEN 74 BEEP 75 PSE 76 MDY 77 "MONTH" 78 XEQ "IN" 79 STO 01 80 *DAY* 81 XEQ -IN-82 STO 02 83 "YEAR" 84 XEQ "IN" 85 1 E2 86 / 87 FRC 88 19 89 + 90 1 E4 91 / 92 RCL 02 93 1 E2 94 / 95 + 96 RCL 01 97 + 98 SETDATE 99+LBL 01 100 ADV 101 *PRESS THE TOP * 102 "FROM OF" 103 XEQ "OUT" 194 "KEYS TO SELECT " 105 "FDESIRED" 106 XEQ -OUT-107 "DEMO." 108 XEQ "OUT"

109 ADV

110 "THE ABBREVIATIO" 111 "HNS IN THE" 112 XEQ "OUT" 113 "HP-41 DISPLAY R" 114 "HEFER TO" 115 XEQ "OUT" 116 "INDIVUALLY SELE" 117 "HCTABLE" 118 XEQ "OUT" 119 "DEMOS THAT MAY " 120 "-BE ACTI-" 121 XEQ -OUT-122 "VATED BY PRESSI" 123 "HNG THE" 124 XEQ "OUT" 125 *KEY BELOW IT. * 126 XEQ "OUT" 127 ADY 128 - D-129 PRA 130 - I-131 PRA 132 · S· 133 ACA 134 INSREC 135 " P" 136 ACA 137 PRBUF 138 ACA 139 INSREC 148 "R" 141 ACA 142 PRBUF 143 " L" 144 ACA 145 INSREC 146 "E" 147 ACA 148 PRBUF 149 - A-150 ACA 151 INSREC 152 °S* 153 ACA 154 PRBUF 155 " Y DEMO" 156 ACA 157 INSREC 158 *S* 159 ACA 160 PRBUF 161 "-----162 "-----" 163 PRA 164 ADV 165 * D DISPLAY* 166 ACA 167 INSREC 168 "A" 169 ACA 170 PRBUF 171 * K KEYS* 172 ACA 173 INSREC

174 "B" 175 ACA 176 PRBUF 177 "PR PRINTER" 178 ACA 179 INSREC 180 "C" 181 ACA 182 PRBUF 183 "PL PRINT PLOT" 184 ACA 185 INSREC 186 "D" 187 ACA 188 PRBUF 189 ADV 190 "TH TIME MODULE" 191 ACA 192 INSREC 193 "A" 194 ACA 195 PRBUF 196 "SW STOP WATCH" 197 ACA 198 INSREC 199 "B" 200 ACA 201 PRBUF 202 " A ALARM" 203 ACA 204 INSREC 205 °C" 206 ACA 207 PRBUF 208 "XF EXTENDED FUN" 209 "FCTIONS D" 210 PRA 211 ADV 212 * C CASSETTE DRI* 213 "FYE" 214 ACA 215 INSREC 216 "A" 217 ACA 218 PRBUF 219 - V VIDEO INTERF 220 "HACE" 221 ACA 222 INSREC 223 "B" 224 ACA 225 PRBUF 226 "DM DIGITAL MULT" 227 "HI-METER C" 228 PRA 229 "BP BAR CODE, PR" 230 ACA 231 INSREC 232 "D" 233 ACA 234 PRBUF 235 ADV 236 "P8 80 COL PRINT" 237 "HER" 238 ACA

239 INSREC

INi 181 Regs Page 2/2

248 "A" 241 ACA 242 PRBUF 243 "GP GPIO INTERFA" 244 "HCE" 245 ACA 246 INSREC 247 "B" 248 ACA 249 PRBUF 250 "PM PLOTTER MODU" 251 "FLE" 252 ACA 253 INSREC 254 °C* 255 ACA 256 PRBUF 257 - ? FUTURE DEVIC-258 "FE" 259 ACA 260 INSREC 261 °D° 262 ACA 263 PRBUF 264 ADV 265 "PRESS THE E KEY" 266 "H FOR MORE" 267 XEQ *OUT* 268 "DEMO CHOICES." 269 XEQ *OUT* 270 ADV 271 "PRESS THE GOLD " 272 "HKEY THEN" 273 XEQ *OUT* 274 "THE E KEY FOR " 275 * PREVIOUS* 276 XEQ -OUT-277 *KEY LABELS.* 278 XEQ -OUT-279 ADV 280 ADV 281 ADV 282 ADV

283 1

284 SELECT

285 SF 25

286 RTN

287 .END.

Program run.

HP-41 SYSTEM DEMO

IF TIME AND DATE ARE PROPERLY SET, ANSWER N TO THE NEXT QUESTION, THEN PRESS R/S.

PRESS THE TOP ROW OF KEYS TO SELECT DESIRED DEMO.

THE ABBREVIATIONS IN THE HP-41 DISPLAY REFER TO INDIVUALLY SELECTABLE DEMOS THAT MAY BE ACTIVATED BY PRESSING THE KEY BELOW IT.

I ,SP

... and more.

Disp Page 1/2 180 Regs.

01+LBL -DISP-

07 "I AM THE HP-41"

08 "F AND I"

13 "WITH YOU..."

16 *PLEASE TYPE IN*

19 "FIRST HAME AND "

20 "HPRESS R/S"

10 "LIKE TO COMMUNI"

02 CF 13

03 SF 26

84 FS? 55

05 SF 21

09 XEQ 99

11 "+CATE"

12 XEQ 99

14 XEQ 99

17 "H YOUR"

18 XEQ 99

21 XEQ 99

24 TONE 9

22 CLP

23 CLD

25 AON

26 STOP

27 AOFF

29 ASHF

31 ASHF

28 ASTO 01

30 ASTO 02

32 ASTO 03

34 ARCL 01

35 ARCL 02

36 ARCL 03

38 XEQ 99

42 XEQ 99

44 "FSPLAY"

45 XEQ 99

48 XEQ 99

50 XEQ 99

53 "HISPLAY"

54 XEQ 99

55 ADV

51 ADV

49 "A PROGRAM"

40 "LET US NOW SEE "

41 "HON MY"

43 "ALPHANUMERIC DI-

46 "HELPS YOU WHEN .

47 "HYOU RUN"

52 "NOW WATCH THE D"

37 ADV

39 ADV

33 "THANKS "

15 PSE

06 BEEP

56 "1. IMPUT PROMPT" 57 "FING" 123 CF 13 58 XEQ 99 124 CF 21 59 SF 13 125 *5.2 METER* 60 " NUMERIC" 126 TONE 0 61 XEQ 99 127 XEQ 99 62 PSE 128 *37 DEGREES C* 63 PSE 129 TONE 1 64 CF 13 130 XEQ 99 65 CF 21 131 *TAX=18.5 %* 66 *TEMPERATURE?* 132 TONE 2 67 TONE 4 133 XEQ 99 68 XEQ 99 134 "R2=10K OMH" 69 PSE 135 TONE 3 70 "INCOME ?" 136 XEQ 99 71 TOHE 5 137 "NO ROOT FOUND" 72 XEQ 99 138 TONE 4 73 "BEAM LENGTH?" 139 XEQ 99 74 TONE 6 140 *CREDIT REFUSED* 75 XEQ 99 141 TONE 5 76 "OXYGEN SAT.?" 142 XEQ 99 77 TONE 7 143 *PRICE IS \$10* 78 XEQ 99 144 TONE 6 79 "ALTITUDE ?" 145 XEQ 99 80 TONE 8 146 "Z-FACTOR= OK" 81 XEQ 99 147 TONE 7 82 "FREQUENCY ?" 148 XEQ 99 83 TONE 9 149 "XYZ IN STOCK" 84 XEQ 99 150 TONE 8 85 SF 13 151 XEQ 99 86 FS? 55 152 "YOLUME=2 M+3" 87 SF 21 153 TONE 9 88 CLD 154 XEQ 99 89 - ALPHA-155 FS? 55 90 XEQ 99 156 SF 21 91 PSE 157 CLD 92 CF 13 158 *3. STATUS INDIC* 93 CF 21 159 "HATION" 94 "MM/INCH ?" 160 XEQ 99 95 TONE 4 161 SF 13 96 XEQ 99 162 * BATTERY* 97 "YES/NO ?" 98 TONE 5 163 XEQ 99 164 . USER KEYBOAR. 99 XEQ 99 165 "HD" 188 "BIRTH DATE ?" 166 XEQ 99 101 TONE 6 102 XFD 99 167 " TRIG. MODE" 102 XEQ 99 168 XEQ 99 103 "PART NUMBER?"
104 TONE 7 169 · FLAG STATUS · 170 "HO TO 4" 105 XEQ 99 171 XEQ 99 106 *PRINT/PLOT ?*
107 TONE 8 172 * PROGRAM MODE* 173 XEQ 99 174 * ALPHA KEYBOA* 108 XEQ 99 109 "LEASE/BUY ?" 175 "FRD" 110 TONE 9 176 XEQ 99 111 XEQ 99 177 PSE 112 FS? 55 178 CF 13 113 SF 21 179 CF 21 114 CLD 180 CF 27 115 °2. OUTPUT LABEL® 181 CLA 116 "FING" 182 AVIEW 117 XEQ 99 183 SF 27 118 SF 13 184 TONE 9 119 . DOCUMENTED A.

185 SIN

187 SIN

186 CF 27

128 "HNSWERS"

121 XEQ 99

Program Run:

188 RAD 189 TONE 9 198 SIN 191 DEG 192 SIN 193 GRAD 194 TONE 9 195 SIN 196 DEG 197 .004 198 STO 00 199+LBL 01 200 SF IND 00 201 TONE 9 202 SIN 203 CF IND 00 204 ISG 00 205 GTO 01 296 AON 207 TONE 9 208 SIN 209 AOFF 210 SIN 211 CLD 212 SF 27 213 FS? 55 214 SF 21 215 *4. MEANINGFUL M* 216 "HESSAGES" 217 XEQ 99 218 SF 13 219 " BUILT IN ERR" 228 "FOR RE-" 221 XEQ 99 222 * PORTING AND * 223 "HSTATUS" 224 XEQ 99 225 * MESSAGES* 226 XEQ 99 227 PSE 228 CF 13 229 CF 21 230 "ALPHA DATA" 231 TONE 6 232 XEQ 99 233 *DATA ERROR* 234 TONE 6 235 XEQ 99 236 "MEMORY LOST" 237 TONE 6 238 XEQ 99 239 "NONEXISTENT" 248 TONE 6

241 XEQ 99

243 TONE 6 244 XEQ 99

242 "OUT OF RANGE"

245 "PRIVATE" 246 TONE 6 247 XEQ 99 248 "PACKING" 249 TONE 6 250 XEQ 99 251 FS? 55 252 SF 21 253 BEEP 254 CLD 255 RTN 256+LBL 99 257 FS? 21 258 AVIEW 259 FC? 21 260 AVIEW 261 FC? 21 262 SIN 263 FC? 21 264 SIN 265 RTN 266 .END.

I AM THE HP-41 AND I LIKE TO COMMUNICATE WITH YOU ... PLEASE TYPE IN YOUR FIRST NAME AND PRESS R/S

THANKS ETIENHE

LET US NOW SEE HOW MY ALPHANUMERIC DISPLAY. HELPS YOU WHEN YOU RUN A PROGRAM

NOW WATCH THE DISPLAY

- INPUT PROMPTING numeric alpha
- 2. OUTPUT LABELING documented answers
- 3. STATUS INDICATION battery user keyboard tris. mode flag status 0 to 4 program mode alpha keyboard
- 4. MEANINGFUL MESSAGES built in error reporting and status messages

move on the display.

185 FS? 55

198 .END.

01+LBL "KEYS" 02 FIX 4 03 XEQ -WP-04 "THE HP-41 HAS A" 95 "- UNIQUE" 96 XEQ *0* 07 "FEATURE BY WHIC" 08 "FH YOU" 09 XEQ "0" 10 "CAN REDEFINE TH" 11 "HE ENTIRE" 12 XEQ "0" 13 "KEYBOARD" 14 "F." 15 XEQ "0" 16 ADV 17 "THIS FRIENDLY F" 18 "FEATURE" 19 XEQ "0" 20 *ALLOWS YOU TO: * 21 XEQ "0" 22 -1 ABAPT THE KEY-23 "HBOARD" 24 XEQ "0" 25 " TO YOUR NEEDS-26 "+." 27 XEQ "0" 28 *2 ASSIGN OFTEN * 29 "HUSED" 30 XEQ "0" 31 * FUNCTIONS FRO* 32 "FM CAL-" 33 XEQ *0* 34 " CULATOR AND P" 35 "HLUG-IN" 36 XEQ *0* 37 " PERIPHERALS" 38 "⊦." 39 XEQ "0" 40 -3 AID UNSKILLED-41 XEQ "0" 42 " USERS IN CUST" 43 "HOMIZED" 44 XEQ "0" 45 - APPLICATIONS-46 Th. 47 XEQ "0" 48 ABV 49 "NOW LETS SEE TH" 50 "HE EFFECT" 51 XEQ "0" 52 "OF THE ASSIGNAB" 53 "HLE KEY-" 54 XE0 "0"

55 "BOARD" 56 "H AND USER MODE" 57 °F. ° 58 XEQ *0* 59 ADV 60 "USER MODE IS IN" 61 "FDICATED" 62 XEQ "0" 63 "BY ANNUNCIATORS" 64 "H IN THE" 65 XEQ "0" 66 "DISPLAY." 67 XEQ "0" 68 ADV 69 XEQ "WATCH" 79 5 71 CLA 72 RVIEW 73+LBL 01 74 SF 27 75 TONE 1 76 CF 27 77 TONE 9 78 DSE X 79 GTO 01 80 XEQ "WP" 81 "USER MODE ALLOW" 82 "FS YOU" 83 XEQ *0* 84 "TO DESIGN A CAL" 85 THOULATORT 86 XEQ *0* 87 "FOR YOUR NEEDS." 88 XEQ "0" 89 ADV 90 "SWITCHING OUT O" 91 "FF USER" 92 XEQ *0* 93 "MODE RETURNS FU-94 "FNCTION TO" 95 XEQ "0" 96 "DEFAULT CONFIGU" 97 "FRATION." 98 XEQ *0* 99 ADV 100 XEQ "WATCH" 101 CF 21 102 5 103+LBL 02 104 "YOUR DESIGN" 195 SF 27 106 AVIEW 107 TONE 1 108 PSE 109 "HP DESIGN" 110 CF 27 111 AVIEW 112 TONE 9 113 PSE 114 DSE X 115 GTO 02 116 CF 27 117 XEQ "WP"

118 "WITH USER MODE "

119 "HOFF TRY"

120 XEQ "O" 121 "THE SIN FUNCTIO" 122 "FN. NOTE" 123 XEQ *0* 124 "THAT IF YOU HOL" 125 "FD THE KEY" 126 XEQ *0* 127 "DOWN THE FUNCTI" 128 "FON NAME" 129 XEQ *0* 130 "IS DISPLAYED." 131 XEQ -0-132 ADV 133 *HOLDING THE KEY* 134 "H LONGER" 135 XEQ *0* 136 "NILL CAUSE THE " 137 "HKEY TO" 138 XEQ *0* 139 BE IGNORED OR Nº 140 "FULLED." 141 XEQ "0" 142 ADV 143 "TRY THE SIN FUH" 144 "HCTION." 145 XEQ *0* 146 *PRESS R/S TO CO* 147 "FNTINUE." 148 XEQ *0* 149 ADV 159 45 151 CLD 152 STOP 153 XEQ "WP" 154 SF 27 155 "TRY THE SIN KEY" 156 "H AGAIN" 157 XEQ *0* 158 "WITH USER MODE " 159 "HSET." 160 XEQ "0" 161 ADV 162 45 163 CLD 164 STOP 165+LBL "NOTSIN" 166 CF 21 167 "NOT SIN NON" 168 AVIEW 169 BEEP 170 BEEP 171 "END DEMO" 172 AVIEW 173 PSE 174 GTO "RECOVER" 175 RTN 176+LBL *WATCH* 177 "WATCH THE DISPL" 178 "FAY." 179 XEQ "0" 180 ADV 186 AVIEW 181 RTN 187 FS? 55 182+LBL -WP-188 SF 21 183 "SEE PRINTER" 189 RTN

184 CF 21

170 Regs	1 age	V• /			
0			53 "READING DATA"		114 ADV
			54 AVIEW		115 ADV
		•	55 "PRDTA"	1	116 ADV
			56 READR		117 ADY
	100			i	118 "END DEMO"
		İ	57 CLD	1	119 AVIEW
			58 SF 21		120 1
			59 SF 12		121 SELECT
			60 ADV		122 RTN
			61 RCL 04		123+LBL "CH"
01+LBL "HPILPR"			62 ACSPEC		124 SF 12
82 CF 21			63 RCL 05		125 ADV
93 "SEE PRINTER"			64 ACSPEC		126
04 AVIEW			65 RCL 06		127 1
		ì	66 ACSPEC		128 ENTERT
05 SF 21		1	67 PRBUF		
96 2			68 ABY		129 ENTERT
07 SELECT			69 RCL 03]	130 ENTERT
08 ADV			78 ACSPEC		131 .02
09 "THE HP82162A"			71 CF 12		132 STO 00
19 XEQ "012"			72 * BELL SYSTEM*		133+LBL 05
11 INSREC			73 ACA	1988	134 ACCHR
12 PRINTER/PLOTTER	-		74 PRBUF	Ì	135 ACA
13 ACA	1		75 ADV		136 +
14 PRBUF			76 RCL 13	1	137 ACCHR
15 XEO "IL"			77 ACSPEC		138 ACA
16 "COMPATIBLE WITH	•	1	78 RCL 14		139 +
17 "H PRESENT"		1	79 ACSPEC	'	140 ACCHR
18 XEQ "0"			80 RCL 15		141 ACA
19 "AND FUTURE HP-I	•		81 ACSPEC		142 +
20 "HL DEVICES"			82 CF 12		143 ACCHR
21 XEQ "0"			83 - CHEVROLET"	l	144 ACA
22 ADV			84 ACA	i	145 +
23 "AN INVESTMENT I	•		85 PRBUF		146 ACCHR
24 "HN THE"			86 ADY		147 ACA
25 XEQ "0"		i	87 "-SINGLE WIDTH A"		148 +
26 "FUTURE"		!	88 "HND"		149 ACCHR
27 XEQ "0" 28 ADV 29 "KEY FEATURES" 30 XEQ "012" 31 "-COMPATIBLE WIT 32 "HH THE" 33 XEQ "0"		į	89 XEQ *O*		150 ACA
28 ADV		+	90 "DOUBLE WIDTH" 91 XEQ "012" 92 ADV		151 +
29 "KEY FEATURES"			91 XEQ "012"		152 PRBUF
30 XEG *012*			92 ADV		153 ISG 00
31 "-COMPATIBLE WIT	•		93UPPER CASE AND		154 GTO 95
32 "FH THE"			94 XEQ "0"		155 ACCHR
33 XEQ "O"			95 SF 13		156 ACA
34 " HP 82143A PRIN	•		96 - LONER CASE"		157 +
35 "FTER"	!		97 XEQ "0"	İ	158 ACCHR
34 - HP 82143A PRIN 35 - HTER- 36 XEQ - O- 37 96 ASCII STAND			94 XEQ "0" 95 SF 13 96 " LOWER CASE" 97 XEQ "0" 98 ADV 99 CF 13 100 "-FORMATED OUTPU" 101 "HT" 102 XEQ "0" 103 "CENTERED"	i.	159 ACA
	-	1	99 CF 13	:	160 +
38 - LHKR CHHK.		i	100 "-FORMATED OUTPU"		161 PRBUF
39 XEQ "0" 40 "-127 HP-41 COMP 41 "HATIBLE"			101 "⊢T"		162 CF 12
49 *-127 HP-41 CUMP	-		192 XEQ "0"		163 RTN
41 "HATIBLE"			103 "CENTERED"		164+LBL "IL"
42 XEQ "0"			104 ACA	•	165 SF 12
43 " CHARACTERS"			105 INSREC		166 ADY
44 XEQ "0"			106 ADV		167 127
39 XEQ "0" 40 "-127 HP-41 COMP 41 "-HATIBLE" 42 XEQ "0" 43 " CHARACTERS" 44 XEQ "0" 45 XEQ "CH" 46 ADV 47 "-USER DEFINED S			105 INSKEC 106 ADY 107 "LEFT" 108 ACA 109 INSKEC		168 ACCOL
46 ADV			108 ACA ,		169 0
47 "-USER DEFINED S			109 INSREC		178 ENTERT
48 "FPECIAL"			IID KIGH!		41.
46 HDV 47 "-USER DEFINED S 48 "HPECIAL" 49 XEQ "O"			111 555		172 BLDSPEC
50 - CHARACTERS- 51 XEQ -0-			112 PRBÚF		173 LASTX
51 XEQ "0"			113 CLX		174 BLDSPEC
52 CF 21					
					176 BLDSPEC
			*P		177 LASTX
					178 BLDSPEC

HPILPR Page 2/3

(H)
V	/

179	LASTX	249	47	1	302 RCL 00
	BLDSPEC	241	SKPCOL		303 127
4.5	LASTX	242	127	i	304 BLDSPEC
	BLDSPEC	243	SF 12	ì	305 ACSPEC
		244	ACCOL		306 33
	LASTX		PRBUF		
	BLDSPEC		ACCOL		307 SKPCOL
	STO 03		INSREC		3 0 8 127
	ACSPEC				309 ACCOL
187	ACSPEC		ACCOL		310 47
188	ACSPEC	249			311 CF 12
189	ACSPEC		SKPCOL		312 SKPCOL
	ACSPEC	251	RDN		313 RDN
	ACSPEC	252	ACCOL		314 SF 12
	ACSPEC	253	47		315 ACCOL
	ACSPEC	254	CF 12		316 PRBUF
	ACSPEC	255	SKPCOL		317 ACCOL
			SF 12		
	ACSPEC		RDH		318 48
	ACSPEC		ACCOL		319 ACCOL
	CF 12				320 24
198	ACSPEC		PRBUF		321 ACCOL
199	LASTX		ACCOL		322 12
200	ACCOL		INSREC		323 ACCOL
201	SF 12	262			324 6
	ACCOL	263	ACCOL	1	325 ACCOL
293		264	48		326 3
	ACCOL	265	ACCOL		327 ACCOL
	PRBUF	266	24		328 1
			ACCOL		329 ACCOL
	ACCOL	268			
	INSREC		ACCOL		330 RCL 01
	HP-IL	270			331 ACSPEC
209		The second secon			332 INSREC
	CF 12		SKPCOL		333 RCL 03
211	47	272			334 ACSPEC
212	SKPCOL		ACCOL		335 ACSPEC
213	SF 12	274			336 ACSPEC
214		275	CF 12		337 ACSPEC
	ACCOL	276	SKPCOL		338 ACSPEC
	PRBUF	277	SF 12		339 CF 12
	ACCOL	278	RDN		340 47
			ACCOL		341 SKPCOL
	INSREC		PRBUF		
219			ACCOL	1	342 127
	BLDSPEC		INSREC	1	343 SF 12
	LASTX	·	0		344 ACCOL
	BLDSPEC		ENTER†		345 PRBUF
	LASTX				346 8
224	BLDSPEC	285			347 ACCOL
225 1	LASTX		BLDSPEC		348 54
226 1	BLDSPEC	287			349 ACCOL
227 1	LASTX		BLDSPEC		358 99
	BLDSPEC		24		351 ACCOL
	LASTX	298	BLDSPEC		352 65
	BLDSPEC	291	12		353 ACCOL
			BLDSPEC		
	LASTX	293			354 INSREC
	BLDSPEC		BLDSPEC		355 127
	STO 04	295			356 ACCOL
	ACSPEC				357 PRBUF
235 F	ACSPEC		BLDSPEC		358 SF 12
236 6	ACSPEC	i	STO 90		359 7
	RCSPEC	298			360 SKPCOL
	ICSPEC		BLDSPEC		361 1
239 (300	STO 81		362 ACCOL
207 (301	ACSPEC	1	363 3
					364 ACCOL
					ONT HOUSE

170 regs P/3/3

PLOT.

417 CF 12

418 RTN 419 .END.

01+LBL "PLOT" 92 2 **03 SELECT** 04 CF 21 05 "SEE PRINTER" 06 AVIEW 97 SF 21 08 DEG 09 1 10 STO 01 11 CHS 12 STO 88 13 STO 03 14 CLX 15 STO 04 16 540 17 STO 89 **18 CHS** 19 STO 08 20 30 21 STO 10 22 "SINX/X" 23 ASTO 11 24 XROM "PRPLOTP" 25 ADV 26 ADV 27 "END DEMO" 28 AVIEW 29 ADV 30 ADV 31 RTN 32+LBL *SINX/X* 33 X=0? 34 GTO 00 35 SIN 36 LASTX 37 D-R 38 / **39 RTN** 40+LBL 00 41 1 42 RTN

43 .END.

80 Reap Page 1/1

65 ADV

01+LBL "TIMER" 02 "SEE PRINTER" 03 FS? 55 84 AVIEW 85 CF 29 86 CLKT 07 CLK12 98+LBL 91 09 FIX 2 10 "IT IS NON: " 11 XEQ "OUT" 12 TIME 13 CLA 14 ATTME 15 XEQ "OUT" 16 BEEP 17 ADV 18 "THE DATE IS: " 19 XEQ "OUT" 20 CLA 21 FIX 6 22 DATE 23 ADATE 24 XEQ -OUT-25 BEEP 26 ADV 27 "FORMATS" 28 XEQ "OUT" 29 ADV 30 "12 HR MODE: " 31 XEQ "OUT" 32 FIX 4 33 TIME 34 CLA 35 ATTHE 36 XEQ "OUT" 37 12 38 T+X 39 TIME 40 CLA 41 ATTIME 42 XEQ *OUT* 43 ADY 44 "24 HR MODE:" 45 XEQ -OUT-46 TIME

47 CLA

50 12

51 CHS

52 T+X

53 TIME

54 CLA

57 ADV

58 NDY

61 DATE

62 CLA

63 ADATE

55 ATIME24

56 XEQ "OUT"

59 "MM/DD/YY:"

60 XEQ "OUT"

64 XEQ "OUT"

48 ATIME24

49 XEQ "OUT"

123 X=Y?

66 "MM/DD/YYYY:" 67 XEQ "OUT" 68 FIX 6 69 DATE 70 CLA 71 ADATE 72 XEQ "OUT" 73 ADV 74 "DD.MM.YY:" 75 XEQ "OUT" 76 DMY 77 DATE 78 CLA 79 DMY 88 FIX 4 81 ADATE 82 XEQ "OUT" 83 ADV 84 "DD. MM. YYYY: " 85 XEQ -OUT-86 DATE 87 CLA 88 FIX 6 89 ADATE 98 XEQ "OUT" 91 ADY 92 ADV 93 "DAY OF WEEK:" 94 XEQ "OUT" 95 DATE 96 DON 97 "TODAY IS " 98 9 99 X=Y? 100 "FSUNDAY" 101 RDN 103 X=Y? 104 "HMONDAY" 105 RDN 107 X=Y? 108 "HTUESDAY" 109 RDN 111 X=Y? 112 "HHEDNESDAY" 113 RDN 115 X=Y? 116 "FTHURSDAY" 117 RDN 118 5 119 X=Y? 120 "FFRIDAY" 121 RDN 122 6

124 "SATURDAY" 125 "h." 126 XEQ "OUT" 127 ADV 128 "THE HP-41 CAN E" 129 "FYEN ACT" 130 XEQ "OUT" 131 "AS A DESK CLOCK" 132 "F." 133 XEQ "OUT" 134 ADV 135 CLST 136 TIME 137 .0020 138 HMS+ 139 "++RTH" 148 XYZALM 141 "WATCH THE DISPL" 142 "HRY." 143 XEQ -OUT-144 SF 29 145 MDY 146 CLOCK 147 .END.

55 "CLEAR/EXIT STOP"

56 "HWATCH"

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14
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```
57 XEQ "OUT"
                                         58 "MODE: "
                                         59 XEQ *OUT*
 01+LBL *CHRONO*
                                         60 "BACK ARRON"
 02 CF 21
                                         61 SF 12
 03 "SEE PRINTER"
                                         62 ACA
 04 FS? 55
                                         63 3
 05 AVIEW
                                         64 ACCHR
 86 FS? 55
                                         65 PRBUF
 07 SF 21
                                         66 CF 12
 08 2
                                         67 ADV
 09 SELECT
                                         68 ADV
 10 CF 29
                                         69 "THE STOPWATCH H"
 11 CLX
                                         70 "HAS BEEN"
 12 SETSM
                                        71 XEQ "OUT"
 13 RUNSH
                                        72 "RUNNING SINCE T"
 14 SF 29
                                        73 "HHIS DEMO"
 15 "DISPLAY, FROM L"
                                        74 XEQ "OUT"
 16 "HEFT TO"
                                       75 "STARTED."
 17 XEQ "OUT"
                                     76 XEQ "OUT"
· 18 "RIGHT, INDICATE"
                                       77 ADV
· 19 *FS HOURS, *
                                        78 "THE ELAPSED TIM"
 20 XEQ "OUT"
                                        79 "HE, SO"
 21 "MINUTES, SECOND"
                                        80 XEQ "OUT"
 22 "FS,"
                                        81 "FAR, IS "
 23 XEQ "OUT"
                                        82 RCLSN
 24 "HUNDREDTHS AND "
                                       83 FIX 2
 25 "HREGISTER"
                                        84 1 E4
 26 XEQ "OUT"
                                        85 *
 27 "INTO WHICH A SP"
                                        86 ARCL X
 28 "FLIT"
                                        87 * SECONDS.*
 29 XEQ -OUT-
                                       88 XEQ *OUT*
 30 "WILL BE STORED."
                                        89 ADV
 31 XEQ "OUT"
                                      90 CLX
 32 ADV
                                      91 SETSM
 33 "START/STOP ST"
                                      92 "NOW, TRY THE ST"
 34 "FOPWATCH"
                                       93 "HOPNATCH."
 35 XEQ "OUT"
                                        94 XEQ "OUT"
 36 "R/S"
                                        95 ADV
 37 XEQ "012"
                                        96 "START IT"
 38 ADV
                                       97 XEQ OUT
 39 "TAKE/STORE SPLI"
                                        98 ADV
 40 "FTS"
                                        99 "TAKE SPLITS"
 41 XEQ "OUT"
                                       100 XEQ "OUT"
42 "ENTER"
                                       101 ADV
43 XEQ *012*
                                       102 "STOP IT"
44 ADV
                                       103 XEQ "OUT"
45 "SPLIT RCL MODE-"
                                       104 ADV
46 XEQ "OUT"
                                       195 "REVIEW THE SPLI"
47 "RCL"
                                       106 "FTS."
48 XEQ *012*
                                       107 XEQ *OUT*
49 "NEXT/PREVIOUS S"
                                       108 ADV
50 "FPLIT-"
                                       109 "CLEAR STOPWATCH"
51 XEQ -OUT-
                                       110 "F MODE"
52 "SST/BST"
                                       111 XEQ -OUT-
53 XEQ "012"
54 ADV
```

112 "BY PRESSING SHI" 113 "FFT THEN" 114 XEQ "OUT" 115 "BACK ARRON." 116 XEQ -OUT-117 ADV 118 ADV 119 ADV 120 ADY 121 STOPSW 122 CLX 123 SETSM 124 SM 125 CF 21 126 "END DEMO" 127 AVIEW 128 SF 21 129 RTN 130 .END.

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01+LBL "ALARM"
92 CF 21
03 "SEE PRINTER"
04 AVIEW
05 SF 21
06 1
07 SELECT
08 "ALARM CAPABILIT"
09 "FIES ALLOW"
10 XEQ "OUT"
11 "THE HP-41 TO AC"
12 "FT AS AN"
13 XEQ -OUT-
14 "ALARM CLOCK."
15 XEQ "OUT"
16 ADV
17 "HEAR THE TONES?"
18 XEQ "OUT"
19 BEEP
20 BEEP
21 BEEP
22 BEEP
23 ADV
24 "MESSAGE ALARMS "
25 "HADD A"
26 XEQ "OUT"
27 "PROMPT TO THE T"
28 "HONES LIKE"
29 XEQ "OUT"
30 "THE ONES IN THE"
31 *F DISPLAY.*
32 XEQ "OUT"
33 ADV
34 CF 21
35 "GOOD MORNING"
36 AVIEN
37 BEEP
38 PSE
39 PSE
40 PSE
41 "WIFES BIRTHDAY"
42 RYIEN
43 BEEP
44 "MEETING WITH BO"
45 "HSS"
46 AVIEW
47 BEEP
48 ADY
49 "LABEL ALARMS AL"
50 "HLOW THE"
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51 XEQ *OUT*

```
52 "HP-41 TO RUN "
  53 "HA SELECTED"
  54 XEQ "OUT"
  55 *PROGRAM AT A *
  56 "HPRESET"
  57 XEQ "OUT"
  58 "TIME."
  59 XEQ "OUT"
  60 ADY
  61 "THE HP-41 WILL "
  62 "HNOW SET"
  63 XEQ "OUT"
  64 "AN ALARM, TURN "
  65 "HITSELF"
  66 XEQ "OUT"
  67 "OFF, AND START "
  68 *FRUNNING*
  69 XEQ "OUT"
  70 "AGAIN IN 10 "
  71 "HSECONDS"
  72 XEQ "OUT"
  73 "WHEN THE ALARM "
  74 "FGOES OFF."
  75 XEQ "OUT"
  76 ADV
  77 ADV
  78 ADY
 79 PSE
  80 PSE
  81 "MATCH THE DISPL"
  82 "FRY."
  83 XEQ "OUT"
 84 BEEP
  85 "IM TURNING OFF"
  86 CF 21
  87 AVIEW
  88 CLX
 89 ENTERT
 90 ENTERT
 91 ENTERT
 92 "TTALM"
 93 TIME
 94 .0010
 95 HMS+
 96 XYZALM
 97 OFF
 98+LBL "ALM"
99 "I AM BACK"
 100 CF 21
 101 AVIEW
 102 BEEP
 193 PSE
194 GTO "RTN"
105 .END.
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B1 Regs P. 7/1 XFUNC

> 01+LBL "XFUNC" 92 1 **03 SELECT** 04 CF 21 05 "SEE PRINTER" **06 AVIEW** 87 SF 21 08 - ENTER YOUR-09 XEQ 61 10 - HAME AND" 11 XEQ 01 12 * PRESS R/S.* 13 XEQ 01 14 AON 15 STOP 16 AOFF 17 XEQ "ST" 18 " YOUR HAME" 19 XEQ 01 20 RCL 01 21 4 22 X#Y? 23 GTO 94 24 " IS A" 25 XEQ 91 26 - 4 LETTER" 27 XEQ 01 28 " WORD." 29 XEQ 01 30 GTO 05 31+LBL 04 32 " HAS" 33 XEQ 01 34 RCL 01 35 FIX 0 36 CF 29 37 " " 38 ARCL X 39 "H LETERS." 40 XEQ 01 41+LBL 05 42 GTO "NMER" 43+LBL "ST" 44 CF 22 45 ANUM 46 FC? 22 47 GTO 06 48+LBL 10 49 - THATS NOT-50 XEQ 01 51 " A NAME" 52 XEQ 81 53 PSE 54 " TRY AGAIN" 55 XE9 01 56 AON

57 STOP

58 AOFF 59 GTO "ST" 60+LBL 06 61 ALENG 62 STO 01 63 1 64 + 65 1000 66 / 67 2 68 + 69 STO 80 79+LBL 93 71 ATOX 72 STO IND 00 73 65 74 X>Y? 75 GTO 10 76 RDN 77 91 78 X<=Y? 79 GTO 10 80 ISG 80 81 GTO 63 82 RTN 83+LBL "NMEA" 84 * BACKWARDS, * 85 XEQ 01 86 " YOU ARE" 87 XEQ 01 88 XEQ "BA" 89 ASTO 30 90 XEQ 01 91 PSE 92 " SCRAMBLED," 93 XEQ 01 94 - YOU ARE-95 XEQ 01 96 XEQ "SC" 97 RCL 30 98 ENTERT 99 ASTO X 190 X#Y? 191 GTO 12 192 1 103 AROT 194+LBL 12 105 XEQ 01 106 PSE 107 * A SONG* 108 XEQ 01 109 . BASED ON. 110 XEQ 01 111 "YOUR HAME IS:" 112 XEQ 01 113 1 114 SIN 115 XEQ "MU" 116 " WAIT" 117 AVIEW 118 SF 29 119 "SN" 120 READP

121+LBL "SC" 122 CLA 123 RCL 01 124 1.001 125 + 126 STO 00 127+LBL 87 128 RCL IND 00 129 ENTERT 138 ENTERT 131 2 132 NOD 133 X=0? 134 GTO 08 135 AROT 136+LBL 08 137 RDN 138 XTOR 139 DSE 00 140 GTO 07 141 RTN 142+LBL "BA" 143 CLA 144 RCL 00 145 INT 146 1 147 -148 .001 149 + 150 STO 00 151+LBL 02 152 RCL IND 00 153 XTOA 154 DSE 00 155 GTO 02 156 RTN 157+LBL "MU" 158 RCL 01 159 1 169 + 161 1999 162 / 163 2 164 + 165 STO 00 166+LBL 11 167 RCL IND 00 168 10 169 / 170 FRC 171 19 172 * 173 TONE IND X 174 ISG 00 175 GTO 11 176 RTN 177 RTN 178+LBL 01 179 AVIEW 189 38 181 FACT 182 RTN 183 .END.

(16)

SN 125 Regs Page 1/1

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2FIX 6 32 .014 46 * SDD DHOICE* 33 .2014 46 * SDD DHOICE* 33 .2014 46 * SDD BO COMPANY 55 * ENTER* 66 RSTD 82 67 * CFO 82 68 RSTD 82 68 RSTD 82 68 RSTD 82 69 RSTD 84 89 * ON** 70 * RS** 69 RSTD 81 123 * F* KEY* 131 1 133 * M*EN 132 STA 88 80 RSTD 84 80 RSTD 86 81 * CFO 87 81 * CFO 87 83 * CFO 87 84 * CFO 87 85 * CFO 87 86 RSTD 86 87 * CFO 87 88 RSTD 10 80 * CFO 87 88 RSTD 10 80 * CFO 87 88 RSTD 11 80 * CFO 87 80 * CFO	04.101 +011+	63+LBL 08	125+LBL 06	
82 7.10.4 66 78E 1 122 XEO 81 83 2.0.14 66 78E 1 128 CLA 84 STO 80 6 6 76 CTO 82 139 ** KEY* 66 RSTO 82 66** SEE 1 129 RRCL THO 80 66 RSTO 82 66** SEE 1 129 RRCL THO 80 66 RSTO 82 66** SEE 1 129 RRCL THO 80 66 RSTO 82 76** STO 81 132 ST ** KEY* 88 RSTO 84 7.8 STO 81 132 ST ** B0 89 "DN* 71 "STIN" 133 RVTEH 10 RSTO 86 72 PRSN 134 40 11 "50LB" 73 " ITS BONE" 135 FRCT 12 RSTO 88 74 KEO 81 136 CLB 13 "P" 75 "TO TRY 1T" 137 GET KEY* 14 RSTO 19 76 KEO 81 138 RCL THD 80 13 "P" 75 "TO TRY 1T" 137 GET KEY* 14 RSTO 19 139 X-Y? 15 RSTO 11 19 RSTO 14 11 "ROOKE" 142 RVTEH 19 41 81 PSE 144 ST ** 91 19 41 81 82 SF 27 110 RSTO 14 81 PSE 144 ST ** 91 12 RSTO 83 82 SF 27 13 87 80 14 ST ** 91 13 84 ST ** 91 14 ST ** 91 14 ST ** 91 15 RSTO 10 3 82 SF 27 15 TO RSUNE" 144 ST ** 91 15 RSTO 10 3 82 SF 27 15 TO RSUNE" 147 FLEL 81 15 TO RS SUNE"	01+LBL "SN"	·		
88 2 5 19 6 6 75 12 12 8 CLB 89 5 TENTER- 60 6 85 10 2 12 9 RCL INB 90 65 TENTER- 66 85 10 2 12 9 RCL INB 90 67 7 8 5 10 11 13 13 11 1 89 70N 13 13 1 19 6 85 10 6 6 72 19 13 8 N				
87 STU 98	03 2.014			
68 RSTO 62 68 RSTO 62 67 RAYS 69 RSTO 62 67 RAYS 69 RSTO 64 69 FON- 71 STN- 133 AVIEW 133 ST - 69 69 FON- 71 STN- 133 AVIEW 133 AVIEW 133 AVIEW 134 40 11 FOLDS 73 - ITS DOME- 13 FRCT 12 RSTO 68 13 FRCT 12 RSTO 68 13 FRCT 14 RSTO 19 15 FRSS 14 RSTO 19 15 FRSS 16 RSTO 14 18 RSTO 18 18 RSTO 18 18 RSTO 18 18 RSTO 18 18 RSTO 18 18 RSTO 18 18 RSTO 18 18 RSTO 18 18 RSTO 18 18 RSTO 18 18 RSTO 18 18 RSTO 18 18	04 STO 90			
68 HELD 03 67 FLYS 69 FENN 68 GETIO 94 68 FETIO 94 69 FENN 69 FENN 69 FENN 69 FENN 69 FENN 69 FENN 69 FENN 69 FENN 69 FENN 69 FENN 69 FENN 69 FENN 69 FENN 69 FENN 60	05 "ENTER"	67 GTO 02		
87 FR/S' 88 RETO 84 99 FUN* 10 RETO 86 11 FOLDS* 12 RETO 86 11 FOLDS* 12 RETO 86 11 FOLDS* 12 RETO 86 13 FRCT 13 FRCT 13 FRCT 13 FRCT 13 FRCT 13 FRCT 13 FRCT 13 FRCT 13 FRCT 13 FRCT 13 FRCT 13 FRCT 14 RETO 10 FRCT 17 FRCT 17 FRCT 13 FRCT 15 FRST* 16 RETO 12 FR FRCT 138 FRCT 16 RETO 12 FR FRCT 148 FRCT 148 FRCT 148 FRCT 149 FRCT 141 FR		68+LBL 03		
88 STO 98		69 RDN		
99 "OH" 10 RSTO 06 17 71 "SIN" 18 RSTO 06 17 72 PSSN 134 48 135 FACT 11 "GOLD" 17 4 KEQ 81 17 4 KEQ 81 13 "R" 14 RSTO 18 17 75 "TO TRY ITT 13 RCL IND 89 15 "SSN" 17 7 PRESS AND" 18 RSTO 18 18 RSTO 1			132 ST+ 00	
10 STO 96 72 PRSH 134 48 125 FACT 125 FACT 126 CID 73 ~ ITS DONE* 125 FACT 136 CID 137 R* 75 TO TRY IT* 136 CID 137 KEV 14 ASTO 10 15 *GSM* 77 *PRESS AND* 139 KEV 139 KEV 140 STO 95 141 STO 95 141 STO 12 79 *MOLD THE KEY* 141 * MROHG* 142 FOVEN 143 I 141 STO 14 180 STO 14 180 STO 14 180 STO 14 180 STO 14 180 STO 14 180 STO 14 180 STO 15 STO 93 82 STO 93 82 STO 93 82 STO 93 82 STO 93 83 STO 93 144 STO 91 144 STO 91 145 STO 96 144 STO 91 145 STO 96 146 STO 97 147 STO 98 STO 93 146 STO 97 147 STO 98 STO 93 146 STO 97 147 STO 98 STO 93 148 STE 98 STO 98 O 98 STO			133 AVIEW	
11 COLD* 12 RSTO 98 17 A YEA 91 13 RC* 113 RC* 113 RC* 114 RSTO 10 15 RSTO* 14 RSTO 10 15 RSTO* 15 RSTO* 16 RSTO 12 17 PTC* 16 RSTO 12 17 PTC* 18 RSTO 14 18 RSTO 14 18 RSTO 14 18 RSTO 14 18 RSTO 14 19 41 19 41 19 41 19 41 19 41 19 42 19 STO 93 21 84 22 STO 95 23 1 24 STO 95 25 TO RESUME* 23 1 24 STO 87 26 STO 99 27 TO RESUME* 28 STO 99 28 STO 11 29 STO 99 28 STO 11 29 STO 99 29 TO RESUME* 29 STO 11 29 STO 12 20 STO 15 20 STO 11 20 STO 12 21 STO 15 22 STO 15 23 STO 15 24 STO 99 25 CLB 26 STO 11 27 STO 15 28 STO 11 29 STO 12 29 STO 15 20 STO 16 20 STO 17 21 STO 18 22 STO 18 23 STO 18 24 STO 18 25 STO 18 26 STO 19 27 STO 18 28 STO 11 29 STO 15 20 STO 11 20 STO 15 21 STO 15 22 STO 15 23 STO 15 24 STO 16 25 STO 17 26 STO 18 27 STO 18 28 STO 18 29 STO 19 20 STO 19 21 STO 15 22 STO 15 23 STO 15 24 STO 16 25 STO 17 26 STO 18 27 STO 18 28 STO 18 29 STO 18 20 STO 18 20 STO 18 21 STO 18 22 STO 18 23 STO 18 24 STO 18 25 STO 18 26 STO 18 27 STO 18 28 STO 18 29 STO 18 20 STO 18 20 STO 18 21 STO 18 22 STO 18 23 STO 18 24 STO 18 25 STO 18 26 STO 18 27 STO 18 28 STO 18 29 STO 18 20 STO 18 21 STO 18 22 STO 18 23 STO 18 24 STO 18 25 STO 18 26 STO 18 27 STO 18 28 STO 18 29 STO 18 20 STO 18 21 STO 18 21 STO 18 22 STO 18 23 STO 18 24 STO 18 25 STO 18 26 STO 18 27 STO 18 28 STO 18 28 STO 18 29 STO 18 20 STO 18 20 STO 18 21 STO 18 21 STO 18 22 STO 18 23 STO 18 24 STO 18 25 STO 18 26 STO 28 27 STO 28 28 STO 18 28 STO 18 28 STO 18 28 STO 18 29 STO 18 20 STO 18 20 STO 18 21 STO 18 21 STO 18 22 STO 18 23 STO 18 24 STO 18 25 STO 18 26 STO 28 27 STO 28 28 STO 18 28 STO 18 28 STO 18 29 STO 18 20 STO			134 40	
74 KEO 81 13 - R* 75 **TO TRY IT* 137 CETKEY 13 - R* 75 **TO TRY IT* 138 RCL IND 80 15 **SRN* 15 **SRN* 15 **SRN* 15 **SRN* 15 **SRN* 17 **PRESS AND* 15 **SRN* 17 **PRESS AND* 17 **PL* 18 RSTO 12 17 **PL* 19 **ALL AND 80 11 **ALL AND 80 1			135 FACT	
13 RP 13 13 RP 14 137 CETKEY 13 RC LINB 98 15 RES NH 15 RES NH 15 RES NH 17 PT 17 17 18 RES CET NH 16 RESTO 12 17 PT 17 PT 17 PT 17 PT 18 RESTO 14 18 RESTO 14 18 RESTO 14 18 RESTO 14 18 RESTO 14 18 RESTO 14 18 RESTO 14 18 RESTO 14 18 RESTO 14 18 RESTO 15			136 CLD	
14 RSTO 10 15 *ASN* 15 *ASN* 17 *PRESS RND* 17 *PI* 18 RSTO 12 17 *PI* 18 RSTO 14 18 RSTO 14 18 RSTO 14 18 RSTO 14 19 A1 19 A1 19 A1 19 A1 19 A1 19 A1 19 A1 20 STO 93 18 RSE R/S* 144 SI* 91 143 I 143 I 143 I 144 SI* 98 149 I 143 I 144 SI* 98 149 I 145 I 146 CTO 95 147 *PI* 18 RSTO 14 18 RSTO 14 18 RSTO 14 18 RSTO 14 18 RSTO 14 18 RSTO 14 18 RSTO 14 18 RSTO 14 18 RSTO 14 18 RSTO 14 18 RSTO 14 18 RSTO 14 18 RSTO 14 18 RSTO 14 18 RSTO 16 18 RSTO 18 18 RSTO 19 18 RSTO 15 18 RSTO 15 18 RSTO 17 18 RSTO 18 18 RSTO 19 1				
13				
15 8870 12 79 XED 91 148 CTO 95 17 PLT 17 PLT 179 YHOLD THE KEY" 141 MRONG" 142 RYTEN 19 41 81 PSE 143 1 142 PSE 143 1 1 142 PSE 143 1 1 145 PSE 143 1 1 145 PSE 143 1 1 145 PSE 143 1 1 145 PSE 143 1 1 145 PSE 143 1 1 145 PSE 143 1 1 145 PSE 143 1 1 145 PSE 143 1 1 145 PSE 143 1 1 145 PSE 143 1 1 145 PSE 143 1 1 145 PSE 143 1 1 145 PSE 143 1 1 145 PSE 143 1 145 PSE 143 1 145 PSE 144 CTO 97 PSE 145 PSE 14				
16 NO NO NO NO NO NO NO NO NO NO NO NO NO				
18 RSTO 14 88 XED 81 142 AVYEN 19 41 81 PSE 143 1 19 41 81 PSE 143 1 19 41 81 PSE 143 1 145 TONE 80				
19 41 19 41 20 5TO 03 20 25 F 27 144 ST+ 01 20 5TO 05 21 14 22 5TO 05 23 1 25 - TO RESUME- 24 5TO 07 26 5TO 09 27 52 28 5TO 11 29 6 5TO 09 28 6 5TO 09 29 75 20 11 20 5TO 09 20 75 21 14 21 14 22 5TO 09 23 1 24 5TO 09 25 11 26 5TO 09 26 5TO 09 27 52 28 5TO 11 29 6 5TO 09 20 151 FW 21 154 FW 22 155 24 97 25 11 25 15 26 5TO 09 27 52 28 5TO 11 29 6 5TO 09 20 151 FW 21 153 - RIGHT- 21 25 4 FW 21 154 FW 21 154 FW 21 154 FW 21 154 FW 21 155 FW 21 157 FW 21 158 FW 21 158 FW 21 159	17 "PI"			
29 STO 93	18 ASTO 14			
21 84 83 * PRESS R/S* 145 TONE 0 22 STO 05 94 XEQ 01 147*LBL 01 23 1 85 * TO RESUME* 146 CTO 07 23 1 87 30 149 45 25 31 87 30 149 45 26 STO 09 88 FIX 3 159 FRCT 27 52 89 CLD 151 RTN 28 STO 11 98 STOP 152*LBL 05 29 32 91 * MAIT* 153 * RIGHT* 30 STO 13 92 AVIEW 154 AVIEW 155 TONE 8 31 82 93 FIX 0 155 STONE 0 32 STO 15 94 RCL 01 156*LBL 07 33*LBL 02 95 CLA 157 ISC 00 34 * PRESS THE* 96 PRSN 158 GTO 06 35 XEQ 01 97 *LBL 04 159 TONE 0 36 * KEY* 98 *MEN FERTURE* 160 RCL 01 37 XEQ 01 99 XEQ 01 161 38 * THAT YOU* 100 * ALLOMS* 163 5 38 CQ 01 101 XEQ 01 163 XEQ 01 41 XEQ 01 103 XEQ 01 165 CTO 09 41 XEQ 01 103 XEQ 01 165 CTO 09 41 XEQ 01 103 XEQ 01 166 RCL 01 42 *SIN FUNCTION* 104 * RETRIEVAL* 166 RCL 01 44 PSE 106 PSE 108 PSE 108 45 *ASSIGNED TO* 107 * LETS PLAY* 159 GTO 10 46 RYIEM 108 XEQ 01 170 * LETS PLAY* 159 GTO 10 47 ABV 109 * GAME ON* 171 * NICE TRY* 174 PSE 109 47 ABV 109 * GAME ON* 175 * YOU MADE* 176 * XEQ 01 177 * NICE TRY* 179 * 193 * YOU N	19 41			
21 84 22 STO 85 34 XEQ 81 146 GTO 87 35 TO RESUME 35 TO RESUME 36 XEQ 81 149 45 25 31 37 39 149 45 26 STO 89 38 FIX 3 159 FACT 27 52 39 CLD 28 STO 11 29 STO 11 39 STOP 30 STO 152 HEB. 85 30 STO 13 30 STO 13 30 STO 13 30 STO 13 30 STO 13 30 STO 13 30 STO 15 STOP 31 SECOND 31 SECOND 32 STO 15 STOP 33 FIX 8 31 SECOND 33 FIX 8 31 SECOND 34 PRESS THE 36 PRESS 36 KEV 37 FEB. 84 37 FEB. 87 38 FIX 8 38 THAT YOU 39 ROUL 39 FACT 30 STO 16 30 SECOND 30 SECOND 30 SECOND 31 SECOND 31 SECOND 32 STO 15 33 FIX 8 34 SECOND 35 SECOND 36 FIX 8 36 FIX 8 37 FIX 8 38 STO 15 38 FIX 8 39 STO 15 39 FACT 30 STO 15 30 SECOND 30 SECOND 30 SECOND 30 SECOND 30 SECOND 30 SECOND 30 SECOND 31 SECOND 31 SECOND 32 SECOND 33 SECOND 34 PRESS THE 35 FIX 8 36 FIX 8 37 FIX 8 38 STO 15 38 SECOND 39 FIX 8 39 STO 15 30 SECOND 30 SECOND 30 SECOND 31 SECOND 31 SECOND 32 SECOND 33 SECOND 34 PRESS THE 35 SECOND 36 FIX 8 36 SECOND 37 FIX 8 37 FIX 8 38 STO 15 38 SECOND 38 STO 15 39 SECOND 39 SECOND 30 SECOND 3		82 SF 27		
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36 - KEY- 37 XEQ 01 37 XEQ 01 38 - THAT YOU- 100 - ALLOMS- 38 - THAT YOU- 100 - ALLOMS- 39 XEQ 01 39 XEQ 01 39 XEQ 01 40 - MANT THE- 102 - KEY CODE- 41 XEQ 01 42 - SIN FUNCTION- 43 XEQ 01 44 PSE 45 - ASSIGNED TO- 46 RYIEM 46 RYIEM 47 REV 48 GETKEY 49 REV 49 CLD 40 XEQ 01 41 THE HP-41- 42 CLD 43 XEQ 01 44 PSE 45 CTKEY 46 CTKEY 47 ABV 48 GETKEY 49 CLD 49 CLD 40 XEQ 01 410 XEQ 01 411 - THE HP-41- 412 XEQ 01 43 XEQ 01 44 PSE 45 CTKEY 46 CTKEY 47 ABV 48 GETKEY 49 CLD 49 CLD 40 XEQ 01 410 XEQ 01 411 - THE HP-41- 417 YEQ 418 CTKEY 410 XEQ 01 411 - THE HP-41- 417 YEQ 418 CTKEY 410 XEQ 01 411 - THE HP-41- 417 YEQ 418 CTKEY 410 XEQ 01 411 - THE HP-41- 417 YEQ 418 CTKEY 419 XEQ 01 410 XEQ 01 410 XEQ 01 411 - THE HP-41- 417 YEQ 418 CTKEY 419 XEQ 419 XEQ 410 42 YEAR 43 YEQ 410 44 PSE 45 YEAR 46 YEAR 47 YEAR 48 YEAR 48 YEQ 48 YEAR 49 YEAR 49 YEAR 40 YEAR 40 YEAR 40 YEAR 40 YEAR 41 YEQ 41 YEAR 41 YEQ 41 YEAR 41 YEQ 41 YEAR 41 YEQ 41 YEAR 41 YEQ 41 YEAR 41 YEQ 41 YEAR 41 YEQ 41 YEAR 41 YEQ 41 YEAR 41 YEQ 41 YEAR 41 YEQ 41 YEAR 41 YEQ 41 YEAR 41 Y	34 " PRESS THE"	·		
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38 - THAT YOU- 39 XEQ 01 10 - ALLONS- 162 STO 01 39 XEQ 01 10 1 XEQ 01 10 - KEY CODE- 164 XYY? 41 XEQ 01 42 -SIN FUNCTION- 104 - RETRIEVAL- 166 - VERY GOOD- 43 XEQ 01 44 PSE 106 PSE 106 PSE 168 PSE 45 - ASSIGNED TO- 107 "LETS PLAY- 169 GTO 10 46 RYIEN 108 XEQ 01 47 ADV 109 "A GAME ON- 171 - NICE TRY- 48 GETKEY 110 XEQ 01 49 CLD 111 - THE HP-41- 173 PSE 174-LBL 10 51 GTO 02 113 "KEYBOARD- 51 GTO 08 51 CLX 117 - DISPLAY- 58 4 118 RYIEN 180 ARCL 01 192 SEQ 01 193 SEQ 01 179 - 191 SEQ 01 179 SEC 177 PSE 189 55 CLX 117 "DISPLAY- 179 SE 180 ARCL 01 192 SEQ 01 193 SEQ 01 194 SEQ 01 195 SEQ 01 196 SEQ 01 197 SEQ 01 198 SEQ 01 199 SEQ	36 " KEY"			
39 XEQ 01 40 - MANT THE- 41 XEQ 01 42 "SIN FUNCTION- 43 XEQ 01 44 PSE 46 PSE 47 ABV 48 GETKEY 49 CLD 51 GTO 02 52 GTO 08 53 XEQ 01 54 XEQ 01 55 CLX 56 GTO 08 56 GTO 08 57 XEQ 01 58 ASSIGNED 59 XEQ 01 50 XEQ 02 50 XEQ 01	37 XEQ 01	•		
## 102 - KEY CODE	38 - THAT YOU-	100 - ALLOWS-		
1 1 1 1 1 1 1 1 1 1	39 XEQ 91			į.
183 183 185 185 186 187 189	40 - WANT THE"	102 " KEY CODE"		
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01+LBL "CASSET" 92 1

03 SELECT 04 CF 21

05 "SEE PRINTER"

06 AVIEW

07 SF 21

08 "THE CASSETTE DR"

09 "FIVE"

10 XEQ "OUT"

11 "HANDLES HIGH QU"

12 "HALITY"

13 XEQ "OUT"

14 "MINI DATA CARTR"

15 "HIDGES"

16 XEQ "OUT"

17 "THAT CAN STORE "

18 "HUP TO"

19 XEQ "OUT"

20 "128K BYTES 0"

21 "FF INFOR"

22 XEQ "OUT"

23 "MATION"

24 XEQ "OUT"

25 ADV

26 "IT HAS A FILE B"

27 "HY HAME"

28 XEQ "OUT"

29 "DIRECTORY"

30 XEQ "OUT"

31 ADV

32 DIR

33 ADV

34 "YOU CAN STORE A"

35 "HND READ:"

36 XEQ "OUT"

37 "-PROGRAMS"

38 XEQ "OUT"

39 "-DATA"

40 XEQ "OUT"

41 *-KEY ASSIGNMENT*

42 "FS"

43 XEQ "OUT"

44 *-CALCULATOR STA*

45 "FTUS"

46 XEQ *OUT*

47 *-COMPLETE CALCU*

48 "HLATOR"

49 XEQ "OUT"

50 - CONTENT"

51 XEQ "OUT"

52 ADV

53 "YOU HAVE ALSO A"

54 "FYAILABLE"

55 XEQ "OUT"

56 "FOR YOUR CONVEN"

57 "FIENCE:"

58 XEQ "OUT"

59 "-SECURE/UNSECUR"

69 "FE"

61 XEQ "OUT"

62 "-RENAME"

63 XEQ "OUT"

64 "-PURGE"

65 XEQ "OUT"

66 "-AUTOMATIC EXEC"

67 "HUTION"

68 XEQ *0UT*

69 "-VERIFY"

70 XEQ "OUT"

71 BEEP

72 RTN

73 .END.

82 CF 21

03 "WATCH DMM"

05 "D2HI, IM THE"

96 XEQ 92

97 "D2HP 3468A"

08 XEQ 02

09 "D2MULTINETER."

11 "D2I CAN"

12 XEQ 02

13 "D2NEASURE"

15 *D2DC VOLTS, *

16 XEQ 02

17 "D2RMS AC YOLTS,"

18 XEQ 02

19 "D22 AND 4 WIRE"

20 XEQ 02

21 "D20HMS,"

22 XEQ 02

23 "D2DC CURRENT,"

24 XEQ 02

25 "DEAND RMS AC"

26 XEQ 02 27 "D2 CURRENT."

28 XEQ 02

29 "D2RESOLUTION -"

30 XEQ 02

31 "D23 1/2 TO"

32 XEQ 02

33 *D25 1/2 BIGITS, * 34 XEQ 02

35 "D2AND I HAVE"

36 XEQ 02

37 "D2THE NEW HPIL"

38 XEQ 02

39 "D2BUILT IN."

40 XEQ 02

41 XEQ 01

42 XEQ 01

43 XEQ 01

44 "D2END DEMO" 45 XEQ 02

46 "END DEMO"

47 AVIEW

48 SF 21

49 "D1"

50 OUTA

51 LOCAL

52 RTN 53+LBL 01

54 *D2BUY ME NOW*

55 BEEP

56 XEQ 02

57 "D2 "

58 OUTA

59 RTN

60+LBL 02

61 OUTA

62 "WATCH DMM" 63 AVIEN

64 RTN

65+LBL "DMM" 66 AUTOIO

67 CF 17

68 "HP3468A"

69 FINDID

70 X=0?

71 GTO 37

72 SELECT

73 REMOTE 74 GTO "SELL"

75+LBL 37

76 BEEP

77 "NO HP3468R"

78 "F IN LOOP"

79 ADV

80 XEQ -OUT

81 ADV

82 RTN

83 .END.

DMM 78 Begs.

01+LBL "SELL"

04 AVIEW

10 XEQ 02

14 XEQ 02

VIDEO 171 Regp Page 1/2

(19)	

· · · · ·	52 XTOA	400 "4 UB TI SOUBOT-
	53 177	109 "1. HP-IL COMPAT"
	54 XTOA	110 "HIBLE"
	55 182	111 OUTA
	56 XTOR	112 CLA
Of ALDI HUTBEON	57 179	113 °2. 32 CHARACTER
01+LBL "VIDEO"		114 "H LINES"
02 SF 21	58 XTOA	115 OUTA
03 CF 21	59 193	116 "3. 16 LINE DISP"
04 "SEE VIDEO DSP"	60 XTOA	
05 AVIEW	61 OUTA	117 SF 17
06 1	62 CLA	118 OUTA
07 SELECT	63 ARCL 13	119 "LAY, 31 LINE"
08 SF 17	64 10	120 CF 17
09 CLA	65 XTOA	121 OUTA
	66 6	122 - MEMORY-
10 27		123 OUTA
11 XTOR	67 XTOR	124 "4. FULL CURSOR "
12 "HE"	68 214	125 "HCONTROL"
13 OUTA	69 XTOA	126 OUTA
14 XEQ "COFF"	70 233	
15 CLA	71 XTOA	127 -5
16 XTOA	72 228	128 201
17 "1-%"	73 XTOA	129 XTOR
18 ASTO 13	74 229	130 206
19 10	75 XTOA	131 XTOA
	76 239	132 214
20 XTOA		133 XTOA
21 1	77 XTOA	134 197
22 XTOA	78 160	135 XTOA
23 OUTA	79 XTOA	i contraction of the contraction
24 "**INTROBUCING**"	80 201	136 210
25 OUTA	81 XTOA	137 XTOA
26 CLA	82 238	138 211
27 ARCL 13	83 XTOA	139 XTOA
28 16	84 244	140 197
29 XTOA	85 XTOA	141 XTOA
	86 229	142 160
30 3	87 XTOA	143 XTOA
31 XTOA		144 214
32 116	88 242	145 XTOA
33 XTOA	89 XTOA	146 201
34 104	90 230	
35 XTOA	91 XTOA	147 XTOA
36 191	92 225	148 196
37 XTOA	93 XTOA	149 XTOA
38 ARCL 13	94 227	150 197
39 13	95 XTOA	151 XTOA
40 XTOA	96 229	152 207
	97 XTOA	153 XTOA
41 5	·	154 OUTA
42 XTOA	98 OUTA	155 -6. 95 DISPLAYAB-
43 200	99 CLA	156 SF 17
44 XTOA	100 13	
45 208	101 XTOA	157 OUTA
46 XTOA	102 10	158 "LE CHARACTERS"
47 160	193 XTOA	159 OUTA
48 XTOA	104 OUTA	160 CLA
49 184	105 OUTA	161 27
	106 CF 17	162 XTOA
50 XTOA		163 *<-
51 178	107 *KEY FEATURES:	164 CF 17
	188 OUTA	165 OUTA
		700 0010

17.1. Regs Page 2/2 Vioes

I

I F.

284 RTN

```
225+LBL F
166 PSE
                                          226 FC? 01
167 PSE
                                          227 XEQ "XY"
168 PSE
169+LBL "CBA"
                                          228 °H H P
                                          229 °F
170 SF 17
                                          230 OUTA
171 XEQ "CD"
                                          231 FS?C 01
172 XEQ "COFF"
                                          232 GTO F
173 XEQ "CC"
174 CLA
                                          233 7
175 27
                                          234 1
                                          235 XEQ "XY"
176 XTOR
                                          236 "HHHHH PPPP ==="
177 "H%"
                                          237 "H= I L"
178 ASTO 93
                                          238 OUTA
179 CLA
                                          239 8
189 7
                                          240 1
181 XTOA
                                           241 XEQ "XY"
182 ASTO 84
                                           242 SF 01
183 22.012
                                           243 9
184 CLA
                                           244 1
185 ARCL 04
186 "FH "
                                           245+LBL G
                                           246 FC? 01
187 ASTO 82
                                           247 XEQ "XY"
 188 XEQ 01
                                           248 "H H P
 189 22.013
                                           249 "F
 190 CLA
                                           250 OUTA
 191 ARCL 04
                                           251 FS?C 01
192 "HP "
                                           252 GTO G .
 193 ASTO 02
                                           253 10
 194 XEQ 01
 195 22.914
                                           254 1
                                           255 XEQ "XY"
 196 CLA
                                           256 "H H P
 197 ARCL 04
                                           257 "H III L"
 198 "-- "
                                           258 OUTA
 199 ASTO 02
                                           259 "LLLL"
 200 XEQ 01
                                           269 DUTA
 201 22.015
                                           261 14
 202 CLA
                                           262 1
 203 ARCL 04
                                           263 XEQ "XY"
 204 "HI "
                                           264 "END DEMO"
 205 ASTO 02
                                           265 SF 21
 206 XEQ 01
                                           266 AVIEW
 207 22.016
                                           267 CF 17
 208 CLA
                                           268 RTN
  289 ARCL 04
  210 "HL "
                                           269+LBL 01
                                           270 CLA
  211 ASTO 02
                                           271 ARCL 03
  212 XEQ 01
                                           272 XTOR
  213 4
                                           273 ARCL 02
  214 1
  215 XEQ "XY"
                                           274 OUTA
  216 °H H PPPP
                                           275 DSE X
  217 "H III L"
                                           276 GTO 01
                                           277 RTN
  218 OUTA
                                           278+LBL "CB"
/ 219 5
                                           279 CLA
  229 1
  221 XEQ "XY"
                                           289 27
                                           281 XTOA
  222 SF 01
                                           282 "FE"
  223 6
                                           283 OUTA
  224 1
```

285+LBL "COFF" 286 CLA 287 27 288 XTOA 289 "H\" 290 OUTA 291 RTN 292+LBL "XY" 293 CLA 294 27 295 XTOA 296 "F%" 297 RDN 298 XTOA 299 X<>Y 300 XTOA **301 OUTA** 302 RTN 303+LBL *CC* 304 CLA 305 27 306 XTOA 307 "HJ" 308 OUTA 309 ASTO 01 310 RTN 311 .END.

BCDEPR Page 1/1 69 Reags (i.e. Barcode printing) 47 "A PRINT 48 OUTA 49 "E IMPLE 59 BILTO

WAIT 01+LBL *BCDEPR* 92 " WAIT" 03 AVIEW 94 SF 21 05 XEQ 15 06 1 **07 SELECT** 08 "HP 82162A PRINT" 09 "HER ADDRESS?" 10 SF 16 11 PROMPT 12 SELECT 13 "WATCH PRINTER" 14 CF 21 15 CF 16 16 AVIEW 17 SF 21 18 ADV 19 ADV 20 "BAR CODE PRINTI" 21 "FNG*" 22 PRA 23 ADV 24 FIX 2 25 82162 26 CLA 27 ARCL X 28 PRA 29 CLA 39 ARCL 10 31 XEQ 01 32 OUTA 33 XEQ 01 34 CLA 35 ADV 36 ADV 37 ARCL 08 38 SF 17 39 OUTA 40 **THIS FUNCTION * 41 OUTA

42 "SUPPORTED BY "

44 "THE HP-41 PLOTT"

45 "HER ROM. "

43 OUTA

46 OUTA

47 "A PRIMITIY"
48 OUTA
49 "E IMPLEMENTATIO"
50 OUTA
51 °N IS AVAILABLE • 52 OUTA
53 "AS A USER LIBRA"
54 OUTA
55 "RY PROGRAM."
56 OUTA
57 PRBUF 58 XEQ 01
59 CLA
60 ARCL 09
61 OUTA
62 CF 17
63 ADV 64 ADV
65 ANY
66 ANV
67 "END DEMO"
68 CF 21
69 AVIEW 70 SF 21
71 RTN
72+LBL 01
73 PSE
74 PSE
75 RTN 76+LBL 15
77 CLA
78 CLST
79 1
80 BLDSPEC 81 82
82 BLDSPEC
-83 ARCL X
84 CLST
85 1
86 BLDSPEC 87 3
88 BLDSPEC
89 ARCL X
90 CLST
91 1
92 BLDSPEC 93 107
94 BLDSPEC
95 ARCL X
96 CLST
97 184
98 BLDSPEC 99 ARCL X
100 CLST
101 33
102 BLDSPEC
103 ARCL X

104 CLST 105 98

```
106 BLDSPEC
107 ARCL X
108 ASTO 10
109 CLA
110 CLST
111 1
112 BLDSPEC
113 124
114 BLDSPEC
115 ARCL X
116 CLST
117 27
118 BLDSPEC
119 ARCL X
120 CLST
121 38
122 BLDSPEC
123 ARCL X
124 CLST
125 107
126 BLDSPEC
127 ARCL X
128 CLST
129 49
130 BLDSPEC
131 ARCL X
132 CLST
133 72
134 BLDSPEC
135 ARCL X
136 ASTO 08
137 CLST
138 CLA
139 1
140 BLDSPEC
141 124
142 BLDSPEC
143 ARCL X
144 CLST
145 27
146 BLBSPEC
147 ARCL X
148 CLST
149 38
150 BLDSPEC
151 ARCL X
152 CLST
153 107
 154 BLDSPEC
155 ARCL X
156 CLST
 157 48
 158 BLDSPEC
 159 ARCL X
 169 CLST
 161 72
 162 BLDSPEC
 163 ARCL X
 164 ASTO 99
 165 RTN
 166 .END.
```

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01+LBL "PRNT80"
92 "HP82905B"
03 FINDID
04 SELECT
05 SF 17
86 CLA
97 27
98 XTOA
09 38
10 XTOA
11 ASTO 01
12 197
13 XTOA
14 "F1S"
15 OUTA
16 150
17 SKPCOL
18 SKPCOL
19 SKPCOL
20 SKPCOL
21 SKPCOL
22 "HP PRODUCTS"
23 PRA
24 CLA
25 ARCL 01
26 187
27 XT0A
28 "F0S"
29 OUTA
30 ADV
31 ADV
32 "DESCRIPTION
33 OUTA
34 "
35 OUTA
36 -MODEL
37 OUTA
38 "LIST PRICE"
 39 PRA
 48 ADV
 41 *HP-IL INTERFACE*
 42 OUTA
 43 " MODULE
 44 OUTA
 45 "HP 82160A
 46 OUTA
 47 - 125.00-
 48 PRA
 49 "DIGITAL CASSETT"
 50 OUTA
 51 "E DRIVE
 52 OUTA
```

```
53 *HP 82161A
54 OUTA
55 " 550.00"
56 PRA
57 "THERMAL PRINTER"
58 OUTA
59 *
60 OUTA
61 "HP 82162A
62 OUTA
63 " 495.00"
64 PRA
65 "VIDEO INTERFACE"
66 OUTA
67 "
68 OUTA
69 "HP 82163A
70 OUTA
71 * 295.00*
72 PRR
73 "80 COLUMN PRINT"
74 OUTA
75 "ER
76 OUTA
77 "HP 82905B
78 OUTA
79 - 795.00*
88 PRA
81 CLA
82 12
83 XTOA
84 OUTA
85 CF 17
86 1
87 SELECT
88 RTN
89 .END.
```

PLTR (116 Rego) Page 1/2 (i.e. Plotter)

rage 1/6 (i.e. Plotter)				
0	,	54 5		• [117 CLX
		55 XROM 17,36		!	118 LASTX
		56 XROM 17,38			119 CLX
	1.	57 65			120 LASTX
		58 ENTERT		1	121 XRON 17,26
		59 55			122 ISG X
	İ	60 ENTERT			
		61_95			123 GTO 06
	i	63 XROM 17,15	!		124 1.5
01+LBL "PLTR"	·	63 XROM 17,06			125 ENTER+
02 SF 25		64 RDN	1	i	126 CLX
03 XROM 17,25		65 RDN			127 XROM 17,21
04 FS?C 25		66 5		-	128 4
05 GTO 00		67 ENTERT			129 XROM 17,02
06 "NO PLOTTER"		68 45			139 5
07 CF 21		69 XROM 17,15			131 XROM 17,16
08 AYIEW		70 XROM 17,06			132 "(SIN X)/X"
09 BEEP	ĺ	71 15			133 XROM 17,11
10 PSE	İ	72 ENTERT		İ	134 1
11 PSE	İ	73 55			135 XROM 17,22
12 RTN		74 ENTERT		İ	136 75
13+LBL 00		75 15		!	137 ENTERT
14 4	i	76 ENTERT			138 135
15 XROW 17,02	:	77 35		ł	139 ENTERT
16 90		78 XROM 17,15		i	149 55
17 ENTERT	!	79 -360		i	141 ENTERT
18 10		80 ENTERT		:	142 95
19 XROM 17,21	Ì	81 CHS			143 XROM 17,15
29 "INTRODUCING THE"		82 ENTERT		i	144 XROM 17,06
21 SF 17		83 -1		į	145 2
22 XROM 17,11	:	84 ENTERT		1.	146 XROM 17,22
	1	85 CHS			147 -50
23 CF 17 24 " NEW HP-41"	,	86 XROM 17,30	-		148 ENTERT
		87 FIX 0	1		149 150
25 XROM 17,11 26 86	į	88 CF 29			150 ENTERT
27 ENTER†		89 2.5	•	1	151 -25
		90 XROM 17,02			152 ENTERT
28 10		91 360			153 110
29 XROM 17,21	i	92 ENTERT			154 XROM 17,30
30 "PLOTTER MODULE."		93 CHS		•	155 20
31 *F NOW YOU*		94 ENTERT			156 ENTERT
32 XROM 17,11 33 *QND YOUR HP-41 *	i				157 CLX
24 1112 12211 111		95 -188 96 enter†			158 XROM 17,21
34 SF 17	:	97 CLX			159 100
35 XROM 17,11		98 XROM 17,19		-	160 X()Y
36 CF 17		99 FIX 1			161 XROM 17,05
37 "CAN CREATE"					162 X<>Y
38 AKUN 17,11		100 1		i	163 ENTERT
39 78		101 ENTERT		1	164 XROM 17,05
40 ENIERT	•	102 CHS	4		165 0
41 10	i	103 ENTERT		1	166 X<>Y
42 XKUN 17,21		104 CHS	4		167 XROM 17,05
43 "LINE GRHPHS, DKH"		105 ENTERT			168 CLX
44 "FWINGS, BHK"		106 CLX	1		169 30
37 "CAN CREATE" 38 XRON 17,11 39 78 40 ENTERT 41 10 42 XRON 17,21 43 "LINE GRAPHS, DRA" 44 "HWINGS, BAR" 45 XRON 17,11 46 "CODE, TEXT" 47 XRON 17,11		107 XKUM 17,20		i	170 XROM 17,05
46 "LUDE, IEXI"		108 Z			171 -15
4/ XKUM 1/.11	i	103 XKUM 17,22	. ,		172 X()Y
48 XROM 17,06	i	110 BFG		1	173 XROM 17,05
49 CLST	1	111 -360.36020			174 15
50 10		112+LBL 06		i	175 ENTERT
51 Rf		106 CLX 107 XROM 17,20 108 2 109 XROM 17,22 110 DEG 111 -360.36020 112+LBL 06 113 SIN 114 LASTX 115 D-R		İ	176 0
52 10	- 1	114 LASTX		i	177 XROM 17,05
43 "LINE GRAPHS, DRA" 44 "HWINGS, BAR" 45 XROM 17,11 46 "CODE, TEXT" 47 XROM 17,11 48 XROM 17,06 49 CLST 50 10 51 Rt 52 10 53 XROM 17,30	l	115 D-R			178 45
(116 ST/ Y		ا ر	210 10

```
237 "-41 "
179 ENTERT
                                               238 XROM 17,11
189 30
                                               239 XROM 18,13
181 XROM 17,05
                                               248 XRON 18,11
182 30
                                               241 1
183 XROM 17,05
                                               242 ENTERT
184 70
                                               243 6
185 XROM 17,05
                                               244 XRON 17,21
186 70
                                               245 "BAR "
187 XROM 17,05
                                               246 XROM 17,11
188 30
189 XROM 17,05
                                               247 XROM 18,13
                                               248 XROM 18,11
190 50
                                               249 1
191 X<>Y
                                               250 ENTERT
192 XROM 17,05
                                               251 8
193 20
                                               252 XROM 17,21
194 ENTERT
                                               253 "CODE"
195 0
                                               254 XROM 17,11
196 XROM 17,05
                                               255 XROM 18,13
197 80
                                               256 XROM 18,11
198 ENTERT
                                               257 XROM 17,31
199 50
                                               258 74
200 XROM 17,21
                                               259 ENTERT
201 5
                                               269 41
202 XROM 17,02
                                               261 XROM 17,21
203 1
                                               262 15
204 XROM 17,22
                                               263 ENTERT
205 "HP-IL"
                                               264 .6
206 XRON 17,11
                                               265 ENTERT
207 75
                                               266 4
208 ENTERT
                                               267 XROM 17,03
209 135
                                               268 CLX
210 ENTERT
                                               269 XRON 17,12
211 5
                                               270 CLA
212 ENTERT
                                               271 "AND MORE."
213 45
                                                272 XROM 17,11
214 XROM 17,15
                                                273 2
215 CLST
                                                274 XROM 17,22
216 10
                                                275 68
217 STO Z
                                                276 ENTERT
218 XROM 17,39
219 XROM 17,86
                                                277 30
                                                278 XROM 17,21
220 98
                                                279 15
221 XROM 17,12
                                                280 ENTERT
222 1
                                                281 .6
223 XROM 17,16
                                                282 ENTERT
224 ENTER1
                                                283 5
225 2
226 XROM 17,21
                                                284 XROM 17,03
                                                285 CLX
227 3
                                                286 "* ERSILY"
228 XROM 17,02
                                                287 XROM 17,11
229 "HP"
                                                288 "* QUICKLY"
230 XROM 17,11
                                                289 XROH 17,11
231 XROM 18,12
                                                290 ** INEXPENSIVELY*
232 XROM 18,11
                                                291 XROM 17,11
233 1
234 ENTERT
                                                292 CLX
                                                293 XROM 17,22
235 4
                                                294 ENTERT ..
236 XROM 17,21
                                                295 XROM 17,21
                                                296 XROM 18,01
```

297 .END.

#1+LBL "GPIOX" 92 "THE HP82165A AN" 03 "FD THE" 04 XEQ "OUT" 05 *HP82166A GPIO I* 06 "HNTERFACES" 97 XEQ "OUT" AS "CAN BE CONFIGUR" 09 "HED UNDER" 10 XEQ "OUT" 11 "SOFTWARE CONTRO" 12 "HL" 13 XEQ "OUT" 14 "TO ONE OF SEVER" 15 "HAL " 16 XEQ -OUT-17 *CONFIGURATIONS: " 182KEQ "OUT" 19 ADV 20 *-TWO 8 BIT* 21 XEQ "OUT" 22 * BI/UNIDIRECTIO* 23 "HNAL PORTS" 24 XEQ "OUT" 25 "-OHE 16 BIT" 26 XEQ "OUT" 27 " BI/UNIDIRECTIO" 28 "HNAL PORT" 29 XEQ "OUT" 30 ADV 31 HANDSHAKES INCL. 32 -FUDE: 33 XEQ "OUT" 34 "-FULL" 35 XEQ "OUT" 36 "-VALID/ACCEPTED" 37 XEQ "OUT" 38 "-READY/VALID" 39 XEQ "OUT" 40 "-STROBED OUTPUT" 41 XEQ "OUT" 42 ADV 43 ADV 44 "EACH GPIO INTER" 45 "HFACE " 46 XEQ "OUT" 47 "INCORPORATES ON" 48 "HE"

49 XEQ "OUT"

50 *32 BYTE FIFO BU* 51 *+FFER FOR*

52 XEQ "OUT" 53 "INCREASED THROU" 54 "HGHPUT" 55 XEQ "OUT" 56 ADV 57 ADV 58 "APPLICATIONS:" 59 XEQ -OUT-60 ABY 61 "-THE 82165A CAN" 62 "F CONNECT" 63 XEQ "OUT" 64 "TO MANY PERSONA" 65 "HL" 66 XEQ "OUT" 67 *COMPUTERS OVER * 68 "HTHEIR" 69 XEQ "OUT" 70 -PARALLEL PRINTE-71 "FR" 72 XEQ *0UT* 73 "INTERFACE THUS " 74 *HGIVING* 75 XEQ -0UT-76 -YOUR MACHINE HP* 77 "HIL" 78 XEQ "OUT" 79 "CAPABILITY." 80 XEQ "OUT" 81 " ALSO, IT CAN" 82 "F BE" 83 XEQ "OUT" 84 -CONNECTED TO MO-85 "FST" 86 XEQ "OUT" 87 *PRINTERS AVAILA* 88 "HBLE" 89 XEQ "OUT" 90 "ALLOWING YOUR S" 91 "FTANDARD" 92 XEQ "OUT" 93 "SIZED PRINTER T" 94 "HHAT YOU" 95 XEQ "OUT" 96 "MAY ALREADY OWN" 97 "+ TO DO" 98 XEQ "OUT" 99 -YOUR PRINTING. -199 XEQ "OUT" 101 ADV 102 "-THE 82166A IS " · 103 "HNEANT FOR" 104 XEQ -OUT-

195 "OEM CUSTONERS N-186 "HO WISH" 107 XEQ -OUT-108 "TO DESIGN HPIL -109 XEQ -OUT-110 "CAPABILITIES IN" 111 "-TO THEIR -112 XEQ "OUT" 113 "PRODUCTS WITH M" 114 "FINIMAL" 115 XEQ -OUT-116 "DEVELOPEMENT CO" 117 "FSTS AND" 118 XEQ "OUT" 119 "HP SUPPORT." 120 XEQ "OUT" 121 ADV 122 ADV 123 ADV 124 ADV 125 "END DEMO" 126 XEQ "OUT" 127 XEQ "RTN" 128 .END.